Secrets
ABAP
Apex
C
C++
CloudFormation
COBOL
C#
CSS
Flex
Go
HTML
Java
JavaScript
Kotlin
Kubernetes
Objective C
PHP
PL/I
PL/SQL
Python
RPG
Ruby
Scala
Swift
Terraform
Text
TypeScript
T-SQL
VB.NET
VB6
XML

HTML static code analysis

Unique rules to find Bugs, Security Hotspots, and Code Smells in your HTML code

All rules 65 | Bug 24 | Security Hotspot 3 | Code Smell 38

Tags

Search by name...

Table cells should reference their headers
Bug

Tables used for layout should not include semantic markup
Bug

Tables should have headers
Bug

"<html>" element should have a language attribute
Bug

<script>...</script> elements should not be nested
Bug

"<th>" tags should have "id" or "scope" attributes
Bug

"<title>" should be present in all pages
Bug

"<!DOCTYPE>" declarations should appear before "<html>" tags
Bug

Elements deprecated in HTML5 should not be used
Bug

HTML "<table>" should not be used for layout purposes
Code Smell

"aria-label" or "aria-labelledby" attributes should be used to differentiate similar elements
Code Smell

Videos should have subtitles
Code Smell

"<html>" element should have a language attribute

Analyze your code

Bug | Major | accessibility wcag2-a

The `<html>` element should provide the `lang` and/or `xml:lang` attribute in order to identify the default language of a document.

It enables assistive technologies, such as screen readers, to provide a comfortable reading experience by adapting the pronunciation and accent to the language. It also helps braille translation software, telling it to switch the control codes for accented characters for instance.

Other benefits of marking the language include:

- assisting user agents in providing dictionary definitions or helping users benefit from translation tools.
- improving search engine ranking.

Both the `lang` and the `xml:lang` attributes can take only one value.

Noncompliant Code Example

```
<!DOCTYPE html>
<html> <!-- Noncompliant -->
    <head>
          <title>A page written in english</title>
          <meta content="text/html; charset=utf-8" />
    </head>


    <body>
    ...
    </body>
</html>
```

Compliant Solution

```
<!DOCTYPE html>
<html lang="en">
    <head>
          <title>A page written in english</title>
          <meta content="text/html; charset=utf-8" />
    </head>


    <body>
    ...
    </body>
</html>
```

Attributes deprecated in HTML5 should not be used

Code Smell

Sections of code should not be commented out

Code Smell

Track uses of "FIXME" tags

Code Smell

Meta tags should not be used to refresh or redirect

Code Smell

Links should not directly target images

Code Smell

"" and "" tags should be used

Bug

"<li>" and "<dt>" item tags should be in "<ul>", "<ol>" or "<dl>" container tags

Bug

Server-side image maps ("ismap" attribute) should not be used

Bug

"<frames>" should have a "title" attribute

Bug

"<fieldset>" tags should contain a "<legend>"

Bug

Flash animations should be embedded

```
<!DOCTYPE html>
<html lang="en" xml:lang="en">
    <head>
          <title>A page written in english</title>
          <meta content="text/html; charset=utf-8" />
    </head>


    <body>
    ...
    </body>
</html>
```

See

- WCAG2, H57 - Using language attributes on the html element
- WCAG2, 3.1.1 - Language of Page

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